

=====

Sequence Listing was accepted.

If you need help call the Patent Electronic Business Center at (866) 217-9197 (toll free).

Reviewer: Keisha Douglas

Timestamp: [year=2008; month=5; day=29; hr=18; min=33; sec=55; ms=330;]

=====

Application No: 10577696 Version No: 3.1

Input Set:

Output Set:

Started: 2008-05-29 18:31:40.308
Finished: 2008-05-29 18:31:46.247
Elapsed: 0 hr(s) 0 min(s) 5 sec(s) 939 ms
Total Warnings: 990
Total Errors: 0
No. of SeqIDs Defined: 990
Actual SeqID Count: 990

Error code	Error Description
W 213	Artificial or Unknown found in <213> in SEQ ID (1)
W 213	Artificial or Unknown found in <213> in SEQ ID (2)
W 213	Artificial or Unknown found in <213> in SEQ ID (3)
W 213	Artificial or Unknown found in <213> in SEQ ID (4)
W 213	Artificial or Unknown found in <213> in SEQ ID (5)
W 213	Artificial or Unknown found in <213> in SEQ ID (6)
W 213	Artificial or Unknown found in <213> in SEQ ID (7)
W 213	Artificial or Unknown found in <213> in SEQ ID (8)
W 213	Artificial or Unknown found in <213> in SEQ ID (9)
W 213	Artificial or Unknown found in <213> in SEQ ID (10)
W 213	Artificial or Unknown found in <213> in SEQ ID (11)
W 213	Artificial or Unknown found in <213> in SEQ ID (12)
W 213	Artificial or Unknown found in <213> in SEQ ID (13)
W 213	Artificial or Unknown found in <213> in SEQ ID (14)
W 213	Artificial or Unknown found in <213> in SEQ ID (15)
W 213	Artificial or Unknown found in <213> in SEQ ID (16)
W 213	Artificial or Unknown found in <213> in SEQ ID (17)
W 213	Artificial or Unknown found in <213> in SEQ ID (18)
W 213	Artificial or Unknown found in <213> in SEQ ID (19)
W 213	Artificial or Unknown found in <213> in SEQ ID (20)

Input Set:

Output Set:

Started: 2008-05-29 18:31:40.308
Finished: 2008-05-29 18:31:46.247
Elapsed: 0 hr(s) 0 min(s) 5 sec(s) 939 ms
Total Warnings: 990
Total Errors: 0
No. of SeqIDs Defined: 990
Actual SeqID Count: 990

Error code	Error Description
	This error has occurred more than 20 times, will not be displayed

SEQUENCE LISTING

<110> Jackson, Aimee L.
Bartz, Steven R.
Burchard, Julja,
Linsley, Peter S.
Ge, Wei
Cavet, Guy L.

<120> METHOD OF DESIGNING siRNAs FOR GENE
SILENCING

<130> 9301-244-999

<140> 10/577,696
<141> 2006-04-27

<150> PCT/US2004/035636
<151> 2004-10-27

<150> 60/515,180
<151> 2003-10-27

<150> 60/572,314
<151> 2004-05-17

<160> 990

<170> FastSEQ for Windows Version 4.0

<210> 1
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> an example of siRNA

<400> 1
gcgttaatgt gataatata

19

<210> 2
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> DNA sequence corresponding to siRNA sense strand
in construction of siRNA library

<400> 2
tgggtccgg ctgatggac

19

<210> 3
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> DNA sequence corresponding to siRNA sense strand
in construction of siRNA library

<400> 3
actcttactg ctctccagt 19

<210> 4
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> DNA sequence corresponding to siRNA sense strand
in construction of siRNA library

<400> 4
cttaaacacgg atgctggtg 19

<210> 5
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> DNA sequence corresponding to siRNA sense strand
in construction of siRNA library

<400> 5
ggagagctt ctaggacct 19

<210> 6
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> DNA sequence corresponding to siRNA sense strand
in construction of siRNA library

<400> 6
agtcatcccg cagagccgc 19

<210> 7
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> DNA sequence corresponding to siRNA sense strand
in construction of siRNA library

<400> 7
atcgtagtgc ttgtactta 19

<210> 8

<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> DNA sequence corresponding to siRNA sense strand
in construction of siRNA library

<400> 8
ggagacgtac cgctgcata 19

<210> 9
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> DNA sequence corresponding to siRNA sense strand
in construction of siRNA library

<400> 9
gcagtgattc ctcaagcaga 19

<210> 10
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> DNA sequence corresponding to siRNA sense strand
in construction of siRNA library

<400> 10
gagtttaccc accaccaag 19

<210> 11
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> DNA sequence corresponding to siRNA sense strand
in construction of siRNA library

<400> 11
tgcggatgcc attcagtg 19

<210> 12
<211> 19
<212> DNA
<213> Artificial Sequence

<220>

<223> DNA sequence corresponding to siRNA sense strand
in construction of siRNA library

<400> 12

cacgggtggc agagtttat 19

<210> 13
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> DNA sequence corresponding to siRNA sense strand
in construction of siRNA library

<400> 13
gcaagttgag ctctaccgc 19

<210> 14
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> DNA sequence corresponding to siRNA sense strand
in construction of siRNA library

<400> 14
tggccagcgc ttactggaa 19

<210> 15
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> DNA sequence corresponding to siRNA sense strand
in construction of siRNA library

<400> 15
gttcaaaagc tggatgatc 19

<210> 16
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> DNA sequence corresponding to siRNA sense strand
in construction of siRNA library

<400> 16
ggcctctata cccctcaaa 19

<210> 17
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> DNA sequence corresponding to siRNA sense strand

in construction of siRNA library

<400> 17

agaaccgaat cgtctagag

19

<210> 18

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> DNA sequence corresponding to siRNA sense strand
in construction of siRNA library

<400> 18

cacgatgcat agccatcct

19

<210> 19

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> DNA sequence corresponding to siRNA sense strand
in construction of siRNA library

<400> 19

cagagacaga atctacact

19

<210> 20

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> DNA sequence corresponding to siRNA sense strand
in construction of siRNA library

<400> 20

caacagaagg ttgtcttgt

19

<210> 21

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> DNA sequence corresponding to siRNA sense strand
in construction of siRNA library

<400> 21

ttgtgtgtgg gaccgtaat

19

<210> 22

<211> 19

<212> DNA

<213> Artificial Sequence

<220>
<223> DNA sequence corresponding to siRNA sense strand
in construction of siRNA library

<400> 22
gctcacggtc attaccgag 19

<210> 23
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> DNA sequence corresponding to siRNA sense strand
in construction of siRNA library

<400> 23
cctgaggaac attactcg 19

<210> 24
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> DNA sequence corresponding to siRNA sense strand
in construction of siRNA library

<400> 24
tgctgaccc tgttaccc 19

<210> 25
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> DNA sequence corresponding to siRNA sense strand
in construction of siRNA library

<400> 25
cgacacggcc tgtgttagct 19

<210> 26
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> DNA sequence corresponding to siRNA sense strand
in construction of siRNA library

<400> 26
cggcagccag agcatgtac 19

<210> 27

<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> DNA sequence corresponding to siRNA sense strand
in construction of siRNA library

<400> 27
ccagaacttg cagcaactg 19

<210> 28
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> DNA sequence corresponding to siRNA sense strand
in construction of siRNA library

<400> 28
cctcacggtc atccgcggc 19

<210> 29
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> DNA sequence corresponding to siRNA sense strand
in construction of siRNA library

<400> 29
ctacgcccctg gtcatcttc 19

<210> 30
<211> 19
<212> DNA
<213> Artificial Sequence

<220>

<223> DNA sequence corresponding to siRNA sense strand
in construction of siRNA library

<400> 30
tctcaaggat attggggtt 19

<210> 31
<211> 19
<212> DNA
<213> Artificial Sequence

<220>

<223> DNA sequence corresponding to siRNA sense strand
in construction of siRNA library

<400> 31

ggatattggg ctttacaac 19

<210> 32
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> DNA sequence corresponding to siRNA sense strand
in construction of siRNA library

<400> 32
cattactcg ggggccatc 19

<210> 33
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> DNA sequence corresponding to siRNA sense strand
in construction of siRNA library

<400> 33
aatgctgacc tctgttacc 19

<210> 34
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> DNA sequence corresponding to siRNA sense strand
in construction of siRNA library

<400> 34
ctggatcgta agaaggcag 19

<210> 35
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> DNA sequence corresponding to siRNA sense strand
in construction of siRNA library

<400> 35
tggaaaggta aaggtcacc 19

<210> 36
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> DNA sequence corresponding to siRNA sense strand

in construction of siRNA library

<400> 36

ggacaactgc agctactct

19

<210> 37

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> DNA sequence corresponding to siRNA sense strand
in construction of siRNA library

<400> 37

tacggactca ctttgcttg

19

<210> 38

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> DNA sequence corresponding to siRNA sense strand
in construction of siRNA library

<400> 38

gtataatacat tcagctgac

19

<210> 39

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> DNA sequence corresponding to siRNA sense strand
in construction of siRNA library

<400> 39

ggaacacccc ccgcttatac

19

<210> 40

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> DNA sequence corresponding to siRNA sense strand
in construction of siRNA library

<400> 40

gtggccgatc cttatgatc

19

<210> 41

<211> 19

<212> DNA

<213> Artificial Sequence

<220>
<223> DNA sequence corresponding to siRNA sense strand
in construction of siRNA library

<400> 41
atgtgattgg tctgttgg 19

<210> 42
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> DNA sequence corresponding to siRNA sense strand
in construction of siRNA library

<400> 42
gtcatcagct ttgtgccac 19

<210> 43
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> DNA sequence corresponding to siRNA sense strand
in construction of siRNA library

<400> 43
taattcacag ggacctaaa 19

<210> 44
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> DNA sequence corresponding to siRNA sense strand
in construction of siRNA library

<400> 44
tgcctacttt gctcagttac 19

<210> 45
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> DNA sequence corresponding to siRNA sense strand
in construction of siRNA library

<400> 45
cctacagaga actgcgggtt 19

<210> 46

<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> DNA sequence corresponding to siRNA sense strand
in construction of siRNA library

<400> 46
ttctccgagg tctaaagta 19

<210> 47
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> DNA sequence corresponding to siRNA sense strand
in construction of siRNA library

<400> 47
ccagtgccgcg atcctttag 19

<210> 48
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> DNA sequence corresponding to siRNA sense strand
in construction of siRNA library

<400> 48
ggcctttca cgggaactc 19

<210> 49
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> DNA sequence corresponding to siRNA sense strand
in construction of siRNA library

<400> 49
ctgaagaagc tactgcttg 19

<210> 50
<211> 19
<212> DNA
<213> Artificial Sequence

<220>

<223> DNA sequence corresponding to siRNA sense strand
in construction of siRNA library

<400> 50

gacatgcgaa tgacactag

19

<210> 51

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> DNA sequence corresponding to siRNA sense strand
in construction of siRNA library

<400> 51

agaggaactc tctgcaagc

19

<210> 52

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> DNA sequence corresponding to siRNA sense strand
in construction of siRNA library

<400> 52

aaactgggag gctacttac

19

<210> 53

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> DNA sequence corresponding to siRNA sense strand
in construction of siRNA library

<400> 53

actgacaaca aagtgcagc

19

<210> 54

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> DNA sequence corresponding to siRNA sense strand
in construction of siRNA library

<400> 54

ctcacattgt ccaccagga

19

<210> 55

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> DNA sequence corresponding to siRNA sense strand

in construction of siRNA library

<400> 55

gacctgtgcc ttttagaga

19

<210> 56

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> DNA sequence corresponding to siRNA sense strand
in construction of siRNA library

<400> 56

gacttcattg acagtgcc

19

<210> 57

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> DNA sequence corresponding to siRNA sense strand
in construction of siRNA library

<400> 57

aaaggacaac tgca

19

<210> 58

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> DNA sequence corresponding to siRNA sense strand
in construction of siRNA library

<400> 58

tggaggggaa tgctcagaa

19

<210> 59

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> DNA sequence corresponding to siRNA sense strand
in construction of siRNA library

<400> 59

taaagatggc actttcccg

19

<210> 60

<211> 19

<212> DNA

<213> Artificial Sequence

<220>
<223> DNA sequence corresponding to siRNA sense strand
in construction of siRNA library

<400> 60
aaggcagcta aaggaagtg 19

<210> 61
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> DNA sequence corresponding to siRNA sense strand
in construction of siRNA library

<400> 61
tattgggcca gcagattac 19

<210> 62
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> DNA sequence corresponding to siRNA sense strand
in construction of siRNA library

<400> 62
ttatgacgct aggccacaa 19

<210> 63
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> DNA sequence corresponding to siRNA sense strand
in construction of siRNA library

<400> 63
ggagaaaagat ccctttag 19

<210> 64
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> DNA sequence corresponding to siRNA sense strand
in construction of siRNA library

<400> 64
acaaaaaacgg agatccgtc 19

<210> 65

<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> DNA sequence corresponding to siRNA sense strand
in construction of siRNA library

<400> 65
ataagcagca agaaacggc 19

<210> 66
<211> 19
<212> DNA
<213> Artificial Sequence

<220>

<223> DNA sequence corresponding to siRNA sense strand
in construction of siRNA library

<400> 66
gaatttcggg ctactttgg 19

<210> 67
<211> 19
<212> DNA
<213> Artificial Sequence

<220>

<223> DNA sequence corresponding to siRNA sense strand
in construction of siRNA library

<400> 67
cgcacccccc atgtggaga 19

<210> 68
<211> 19
<212> DNA
<213> Artificial Sequence

<220>

<223> DNA sequence corresponding to siRNA sense strand
in construction of siRNA library

<400> 68
agacgttttt gtgctgtgg 19

<210> 69
<211> 19
<212> DNA
<213> Artificial Sequence

<220>

<223> DNA sequence corresponding to siRNA sense strand
in construction of siRNA library

<400> 69

gctggagaac ctcatgctg

19

<210> 70

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> DNA sequence corresponding to siRNA sense strand
in construction of siRNA library

<400> 70

ctctaccact gaagagttg

19

<210> 71

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> DNA sequence corresponding to siRNA sense strand